

WFO4 - Replacing Oil Intake Pipe (Workshop Campaign)

Vehicle Type: **918 Spyder**

Model Year: **2015**

Concerns: **Oil intake pipe**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **In the course of endurance testing under high load, it has been discovered that vibrations can occur at the oil intake pipe, depending on the driving profile. In the event of unfavourable component tolerances, this can cause the oil intake pipe to chafe against the flange of the oil pressure line.**

As a result, the oil intake pipe can start to leak over the service life of the vehicle, causing small amounts of engine oil to leak out.

Action Required: Replace oil intake pipe with a modified line with an additional anti-chafing element.



Information

The vehicle must be checked for defects and damage (damage to paintwork, missing parts, etc.) **each time** it is handed over, transferred or delivered. Confirmation that the vehicle is in good condition or details of any damage to the vehicle must be documented and archived for feedback purposes.

Service Level: **This campaign must be carried out by a Service Level 1 or 2 Porsche Dealer.**

Service Level 0 Porsche Dealers are **not** authorized to carry out this campaign.

In accordance with the service concept for the 918 Spyder, the vehicle must be transferred to the nearest Service Level 1 or 2 Porsche Dealer in order to carry out this campaign.

If the vehicle should require transport from your dealership to a Level 2 Dealer and transportation has not previously been arranged by the 918 Client Relationship Team, you should contact Roadside Assistance at 1 (844) 918-SPYD (7793) to facilitate the transfer.

Information on invoicing for the transfer of the vehicle can be found under Attachment "B" ⇒ *Technical Information 'WFO400 Invoicing'* at the end of this document.

**Information**

The vehicle may be assigned to several campaigns for which there may be an overlap between some of the steps to be completed in order to carry out the required preliminary and subsequent work. Before carrying out this campaign, it is important therefore to check whether the vehicle in question is also affected by one or more of the campaigns specified below:

- WFO1 Workshop campaign - Replacing holder for brake line on rear axle (Service Level 1)
- WFO2 Workshop campaign - Replacing bearing covers for wheel bearings on rear axle (Service Level 2)
- WFO3 Workshop campaign - Tightening threaded joint securing connecting links on rear axle (Service Level 1)

If the vehicle is assigned to one or more of the specified campaigns, the campaigns **must be carried out together** if possible because of the overlapping steps involved.

For warranty invoicing for campaigns carried out together, the **full scope** must only be invoiced **once** and only the **combined scope** may be invoiced if necessary **for other campaigns carried out together**.

All required steps are included in the working time for the full scope.

All overlapping steps for other campaigns are covered by the combined scope and are therefore not included again in the working time.

If several Porsche Dealers are involved because of the **different service levels** required for carrying out a campaign, the **full scope** must be invoiced for **one of the campaigns carried out together for each Porsche Dealer involved**. The **combined scope** must be invoiced for other **campaigns carried out together**.

Affected Vehicles:

The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper repair. This campaign affects 42 vehicles in North America.

Parts Info:

NOTE: PARTS WILL NOT BE AUTOMATICALLY ALLOCATED TO YOUR DEALERSHIP. ALL PARTS MUST BE ORDERED VIA A PTEC/PAV.

Part No.	Designation – Use	Qty.
918.107.225.04	⇒ Intake pipe	1 ea.
1K0.253.725.F	⇒ Clamp – Line to oil tank	1 ea.
999.511.218.00	⇒ Clamp – Bracket for oil intake pipe	1 ea.

900.123.106.30	⇒ Sealing ring – Drain plug on oil tank	1 ea.
999.707.681.40	⇒ O-ring – Lid on crankcase	4 ea.
000.043.301.21	⇒ Mobil1 engine oil	20-liter container (approx. 8 liters required per vehicle)
000.043.300.35	⇒ McLube Sailkote High Performance Dry Lube – Central wheel lock Also commercially available at marine supply stores.	428g spraying can As much as required (approx. 20 g per vehicle)
000.043.204.68	⇒ Klüber Syntheso Glep	50g tube As much as required (approx. 1 g per vehicle)

Tools:

- **9002 - Lifting platform holders**
- **9453 - Access ramps**
- **9003 - Socket wrench**
- **9004 - Socket wrench**
- Torque wrench, 2 - 10 Nm (1.5 - 7.5 ftlb.), e.g. **V.A.G 1783 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
- Torque wrench, 6 - 50 Nm (4.5 - 37 ftlb.), e.g. **V.A.G 1331 - Torque wrench, 6-50 Nm (4.5-37 ftlb.)**
- Torque wrench, 150 - 800 Nm (111 - 592 ftlb.), e.g. **V.A.G 1601 - Torque wrench, 150 - 800 Nm (111 - 592 ftlb.)**

Work

See Attachment "A".

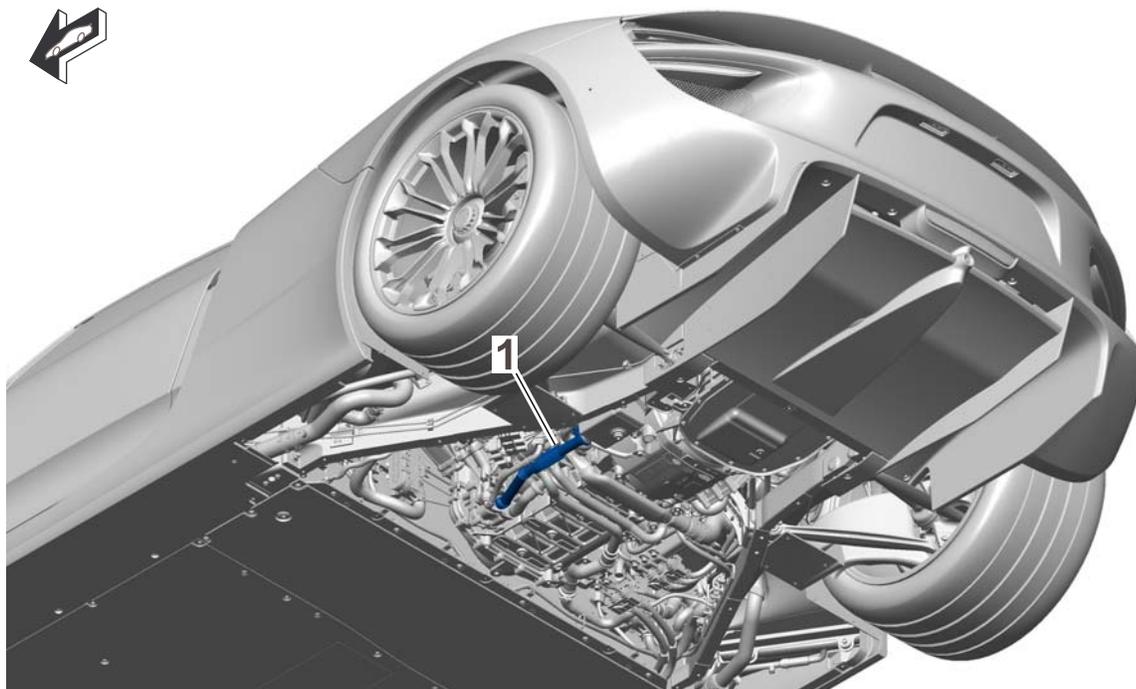
Procedure:

Claim

See Attachment "B".

Submission:

Installation
Position:



Installation position of oil intake pipe

1 – Oil intake pipe (replace)

Attachment "A": **Work Procedure**

- 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual 'WFO400 Lifting the vehicle'*.
 - 1.1 Position the vehicle between the arms of the lifting platform and push it onto the access ramps **9453 - Access ramps**.
 - 1.2 Remove underbody covers and fit mounting plates **9002 - Lifting platform holders**, ⇒ *Workshop Manual '518119 Removing and installing jacking points'*.
 - 1.3 Jack and raise the vehicle at the mounting plates.
- 2 Remove both rear wheels ⇒ *Workshop Manual '440519 Removing and installing wheel'*.
- 3 Remove lower part of rear spoiler ⇒ *Workshop Manual '665919 Removing and installing lower part of rear spoiler'*.
- 4 Remove rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear underbody cover'*.



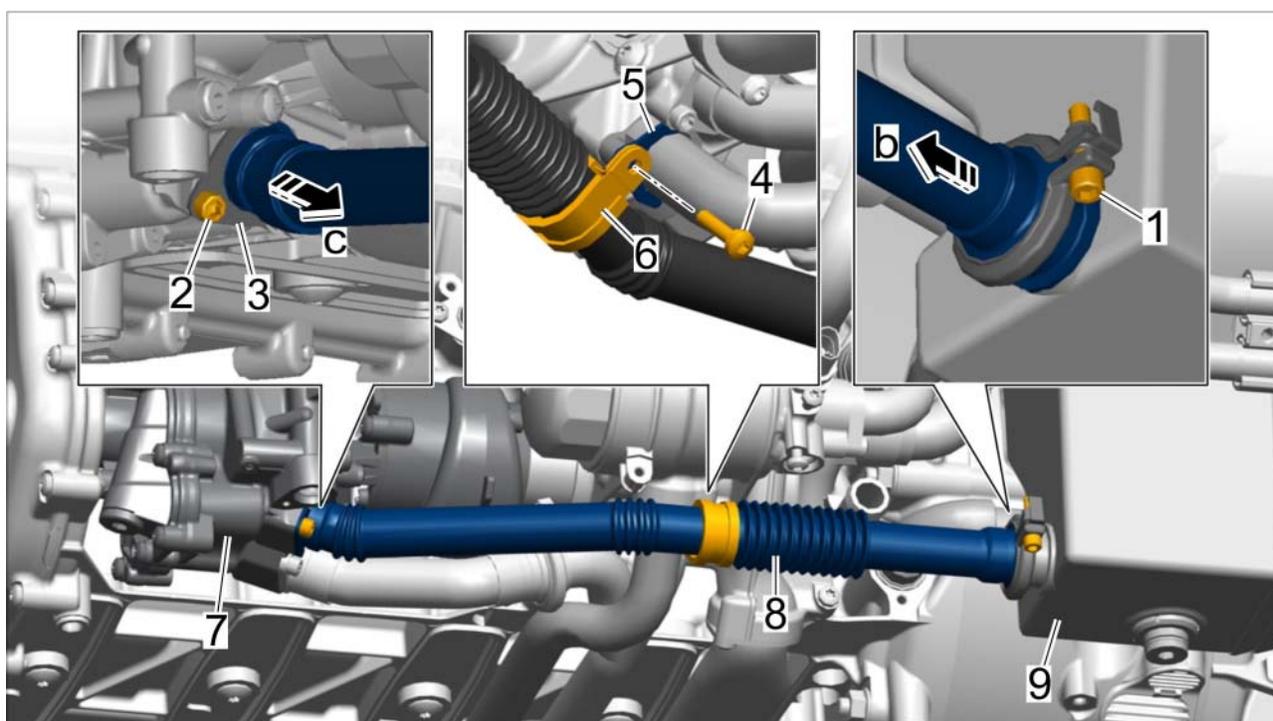
Information

The oil filter will **not** be replaced as part of this campaign.

5 Drain engine oil ⇒ *Workshop Manual '170155 Changing engine oil and oil filter'*.

Replacing oil intake pipe

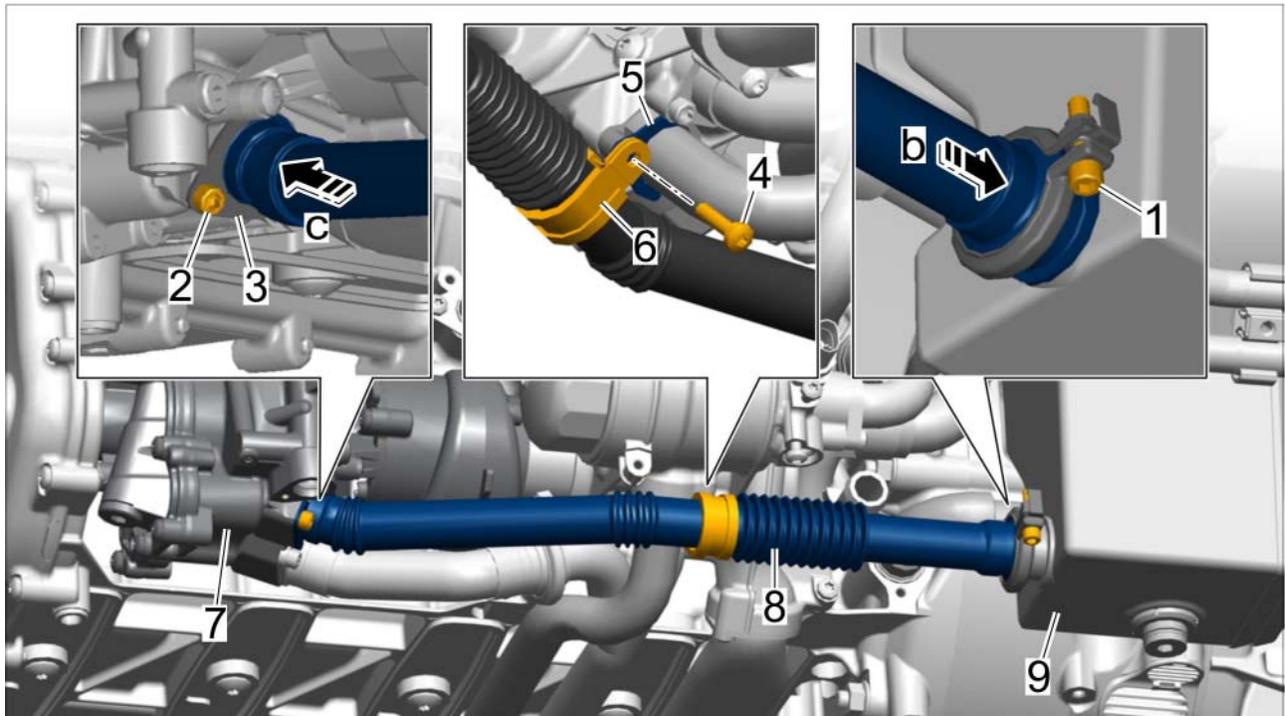
Procedure: 1 Remove oil intake pipe.



Removing oil intake pipe

- 1.1 Loosen and unscrew fastening screw ⇒ *Installing oil intake pipe -1-* on the clamp on the oil tank. Loosen clamp and slide it forward on the intake pipe.
- 1.2 Loosen and unscrew fastening screw ⇒ *Removing oil intake pipe -2-* on the retaining bar on the oil pump.
Pull retaining bar ⇒ *Removing oil intake pipe -3-* off the oil intake pipe and remove it.
- 1.3 Loosen and unscrew fastening screw ⇒ *Removing oil intake pipe -4-*.
Loosen clamp ⇒ *Removing oil intake pipe -6-* on the oil intake pipe and turn it to the side.
Screw in fastening screw ⇒ *Removing oil intake pipe -4-* for securing the retaining bar ⇒ *Removing oil intake pipe -5-* again.
- 1.4 Disconnect oil intake pipe ⇒ *Removing oil intake pipe -8-* from the oil tank ⇒ *Removing oil intake pipe -9-* and pull it out ⇒ *Removing oil intake pipe -b-*.

- 1.5 Pull out oil intake pipe at the oil pump ⇒ *Removing oil intake pipe-7-* (⇒ *Removing oil intake pipe-c-*).
- 1.6 Remove oil intake pipe ⇒ *Removing oil intake pipe-8-*.
- 2 Install new oil intake pipe, Part No. 918.107.225.03.



Installing oil intake pipe

- 2.1 Grease O-rings on the new oil intake pipe with **Klüber Syntheso Glep**.
- 2.2 Fit new clamp ⇒ *Installing oil intake pipe-6-*, Part No. 999.511.218.00, on the new oil intake pipe.
- 2.3 Position oil intake pipe on the oil pump ⇒ *Installing oil intake pipe-7-* and press it into the oil pump flange ⇒ *Installing oil intake pipe-c-*.
- 2.4 Position oil intake pipe on the oil tank ⇒ *Installing oil intake pipe-9-* (⇒ *Installing oil intake pipe-b-*).
- 2.5 Secure oil intake pipe on the oil tank using a new clamp, Part No. 1K0.253.725.F. To do this, tighten the fastening screw ⇒ *Installing oil intake pipe-1-* on the clamp.
Tightening torque 4 Nm (3 ftlb.)
- 2.6 Position retaining bar ⇒ *Installing oil intake pipe-3-* on the oil pump flange and secure with the fastening screw ⇒ *Installing oil intake pipe-2-*.
Tightening torque 10 Nm (7.5ftlb.)

- 2.7 Unscrew and remove fastening screw ⇒ *Installing oil intake pipe -4-* again.
 Position retaining bar ⇒ *Installing oil intake pipe -5-* together with the new clamp ⇒ *Installing oil intake pipe -6-* and secure with the fastening screw ⇒ *Installing oil intake pipe -4-*.
Tightening torque 10 Nm (7.5 ftlb.)

Subsequent work

- Procedure:
- 1 Fill in engine oil ⇒ *Workshop Manual '170155 Changing engine oil and oil filter'*.
Engine oil filling capacity: approx. 8 liters
 - 2 Check engine-oil level and correct it if necessary ⇒ *Workshop Manual '170101 Checking engine-oil level'*.
 - 3 Install rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear underbody cover'*.
 - 4 Install lower part of rear spoiler ⇒ *Workshop Manual '665919 Removing and installing lower part of rear spoiler'*.
 - 5 Install both rear wheels ⇒ *Workshop Manual '440519 Removing and installing wheel'*.
 - 6 Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
 - 6.1 Lower the vehicle onto the **9453 - access ramps** with the lifting platform.
 - 6.2 Remove mounting plates **9002 - Lifting platform holders** and install the covers on the underbody ⇒ *Workshop Manual '518119 Removing and installing jacking points'*.
 - 7 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B": **Claim Submission** - Workshop Campaign WFO4
 Warranty claims should be submitted via WWS/PQIS.
 Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.
 Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Service Level: **This campaign must be carried out by a Service Level 1 or 2 Porsche Dealer.**

Service Level 0 Porsche Dealers are **not** authorized to carry out this campaign.
 from your dealership to a Level 2 Dealer and transportation has not previously been arranged by the 918 Client Relationship Team, you should contact Roadside Assistance at 1 (844) 918-SPYD (7793) to facilitate the transfer.

In this case, Service Level 0 Porsche Dealers can invoice the cost items listed below for vehicle acceptance, transporting the vehicle and accepting the vehicle following return transport using the **new vehicle warranty** for the vehicle in accordance with the specifications in the 918 Spyder AfterSales Fact Book 2014:

• Vehicle acceptance	100 TU
• Transporting the vehicle	100 TU
• Acceptance of the vehicle following return transport	50 TU
• Costs for transporting the vehicle to and from the Porsche Centre	Amount as per invoice *

* Please document copy of invoice in PQIS

Please invoice the costs by specifying **Damage code C902 097 000** and enter the technical reason by specifying **Coding C9020 9735** in PQIS. Also specify **Campaign WFO4** under Comment.

Service Level 1 or 2 Porsche Dealers must always submit an invoice for the relevant **campaign scope**.



Information

For warranty invoicing for campaigns carried out together, the **full scope** must always be invoiced **once** for every Porsche Dealer involved in carrying out the campaign and for every vehicle and only the **combined scope** may be invoiced if necessary **for other campaigns carried out together**. All required steps are included in the working time for the full scope. Overlapping steps for other campaigns are covered by the combined scope and are therefore not included again in the working time.

Scope 1:

Replacing oil intake pipe (full scope)

Working time:

Replacing oil intake pipe (full scope)

Labor time: **318 TU**

Includes:

- Raising and lowering the vehicle
- Removing and installing both rear wheels
- Removing and installing lower part of rear spoiler
- Removing and installing rear underbody cover
- Changing engine oil
- Checking engine-oil level

Parts required:

918.107.225.04	Intake pipe	1 ea.
1K0.253.725.F	Clamp	1 ea.
999.511.218.00	Clamp	1 ea.

900.123.106.30	Sealing ring	1 ea.
999.707.681.40	O-ring	4 ea.
000.043.301.21	Mobil1 engine oil, 20-liter container	0.4 ea. (= 8 liters)
000.043.300.35	McLube Sailkote High Performance Dry Lube, 428g spraying can Also commercially available at marine supply stores.	0.05 ea. (= approx. 20 g)
000.043.204.68	Klüber Syntheso Glep, 50g tube	0.02 ea. (= 1 g)

⇒ Damage code WF04 066 000 2

Scope 2: **Replacing oil intake pipe (combined scope)**

Working time:		
Replacing oil intake pipe (combined scope)		Labor time: 211 TU
Includes:	Removing and installing lower part of rear spoiler Removing and installing rear underbody cover Changing engine oil Checking engine-oil level	
Without:	Raising and lowering the vehicle Removing and installing both rear wheels	
Parts required:		
918.107.225.04	Intake pipe	1 ea.
1K0.253.725.F	Clamp	1 ea.
999.511.218.00	Clamp	1 ea.
900.123.106.30	Sealing ring	1 ea.
999.707.681.40	O-ring	4 ea.
000.043.301.21	Mobil1 engine oil, 20-liter container	0.4 ea. (= 8 liters)
000.043.204.68	Klüber Syntheso Glep, 50g tube	0.02 ea. (= 1 g)

⇒ Damage code WF04 066 000 2

References: ⇒ Workshop Manual '4X00IN Lifting the vehicle'
 ⇒ Workshop Manual '440519 Removing and installing wheel'

- ⇒ *Workshop Manual '518119 Removing and installing jacking points'*
- ⇒ *Workshop Manual '519419 Removing and installing rear underbody cover'*
- ⇒ *Workshop Manual '66591900 Removing and installing lower part of rear spoiler'*

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